

Attorney Docket No. 2300-1357.10 (PP01357.124)

PATENT

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Date of Deposit: 8/19/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of SEID

Serial No.: DIV of 08/908,262

Examiner: Unassigned

Confirmation No.:

Art Unit: Unassigned

Filed: On even date

For: NEISSERA MENINGITIDIS SEROGROUP B GLYCOCONJUGATES AND
METHODS OF USING THE SAME

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97(b)**

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56,

Applicant(s) hereby submits the following information in conformance with 37 C.F.R.

§§1.97 and 1.98.

- ☐ Pursuant to 37 C.F.R. §1.98, a copy of each document cited in the attached Form PTO/SB/08 is enclosed.
- ☒ No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. 08/908,262 to which the above-identified application claims priority under 35 U.S.C. §120.
- ☐ Publication(s) _____ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to _____ application serial no. _____ and mailed on _____.
- ☐ Enclosed is a copy of a non-English publication(s) _____. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).

- ☐ Enclosed is a copy of a non-English publication(s) ____ English language publication ____ (copy enclosed) claims priority from this non-English publication.
- ☐ Enclosed is an explanation of non-English publication(s) ____ for which an English translation is not available.
- ☐ Enclosed is an English translation of non-English publication(s) ____ cited in the attached Form PTO/SB/08A.
- ☐ Enclosed is a copy of pending patent Application Serial No. ____.

This Information Disclosure Statement is filed with the herein divisional application.

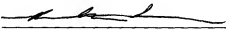
It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

Dated: 2/19/03

Respectfully submitted,

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By:


Roberta L. Robins
Reg. No. 33,208

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PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	DIV of 08/908,262
				Filing Date	August 7, 1997
				First Named Inventor	SEID
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	1	of	5	Attorney Docket Number	2300-1357.10 (PP01357.124)

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ²	Number ⁴	Kind Code ⁵ (if known)			
	B1	EP	0 208 375			01-14-1987	
	B2	EP	0 497 525			08-05-1992	
	B3	EP	0 504 202	B1		05-03-1995	
	B4	WO	91/08772			06-27-1991	
	B5	WO	96/14086			05-17-1996	
	B6	WO	96/40225			12-19-1996	

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[†] Unique citation designation number.

² See attached Kinds of U.S. Patent Documents.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet	2	of	5	Attorney Docket Number	2300-1357.10 (PP01357.124)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	ALA'ALDEEN, "Vaccines against <i>Neisseria Meningitidis</i> : past, present and future," <i>Biotechnologia Applicada</i> 13:1-7, 1996	
	C2	ANDERSON et al., <i>J. Immunol.</i> 142:2464-2468, 1989	
	C3	ASHWELL et al., <i>Anal. Biochem.</i> 222:495-502, 1994	
	C4	BARTOLONI et al., "Murine monoclonal antibodies to an N-propionylated meningococcal B polysaccharide exhibit heterogeneity with respect to cross-reactivity with N-acetylated meningococcal B polysaccharide and autoreactivity to host polysialylated glycoproteins,"	
	C5	BAUMANN et al., <i>Biochemistry</i> 32:4007-4013, 1993	
	C6	BOYER et al., <i>Ped. Infect. Dis. J.</i> 12:779-780, 1993	
	C7	BRISSON et al., "Helical epitope of the group B meningococcal $\alpha(2-8)$ -linked sialic acid polysaccharide," <i>Biochemistry</i> 31:4996-5004, 1992	
	C8	COSTANTINO et al., Vaccine 10:691-698, 1992	
	C9	DEVI et al., <i>Infect. Immun.</i> 59:732-736, 1991	
	C10	EGAN et al., <i>J. Am. Med. Assoc.</i> 273:888-889, 1995	
	C11	FRASCH, "Meningococcal vaccines: past, present and future," in <i>Meningococcal Disease</i> (edited by Keith Cartwright 1995) pp. 245-283, 1995	

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	C12	GARNER et al., <i>Contrib. Microbiol. Immunol.</i> 10:11-17, 1989		
	C13	HALLENBECK et al., <i>J. Biol. Chem.</i> 262:3553-3561, 1987		
	C14	JENNINGS et al., "Unique intermolecular bactericidal epitope involving the homopolysaccharide capsule on the cell surface of group B <i>Neisseria Meningitidis</i> and <i>Escherichia Coli</i> K1," <i>J. Immunology</i> 142(10):3585-3591, 1989		
	C15	JENNINGS et al., "Induction of Meningococcal group B polysaccharide-specific IgG antibodies in mice by using a N-propionylated B polysaccharide-tetanus toxoid conjugate vaccine," <i>J. Immunology</i> 137(5):1708-1713, 1986		
	C16	JENNINGS et al., "The capsular polysaccharide of group B <i>Neisseria Meningitidis</i> as a vehicle for vaccine development," <i>Contrib. Microbiol. Immunol. Basel, Karger</i> 10:151-165, 1989		
	C17	JENNINGS et al., "Immunochromatography of groups A, B, and C Meningococcal polysaccharide-tetanus toxoid conjugates," <i>J. Immunology</i> 127(3):1011-1018, 1981		
	C18	JENNINGS et al., in <i>Neoglycoconjugates: Preparation and Applications</i> , Y.C. Lee et al. (Ed.) Academic Press, London, pp. 325-371, 1994		
	C19	JENNINGS et al., "N-propionylated group B Meningococcal polysaccharide mimics a unique epitope on group B <i>Neisseria Meningitidis</i> ," <i>J. Exp. Med.</i> 165:1207-1211, 1987		
	C20	JENNINGS et al., "Polysialic acid vaccines against Meningitis caused by <i>Neisseria Meningitidis</i> and <i>Escherichia Coli</i> K1," <i>Polysialic Acid</i> , pp. 25-38, 1993		
	C21	JENNINGS et al., <i>J. Immunol.</i> 134:2651-2657, 1985		
	C22	KITAZUME et al., <i>Anal. Biochem.</i> 202:25-34, 1992		

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	C23	LIFELY et al., Carbohydr. Res. 156:123-135 (abstract), 1986		
	C24	LIVINGSTON et al., J. Biol. Chem. 263:9443-9448, 1988		
	C25	MANDRELL et al., "Complement-mediated bactericidal activity of human antibodies to poly α2-8 N-acetylneuraminic acid, the capsular polysaccharide of Neisseria Meningitidis serogroup B," J. Infectious Diseases 172:1279-1289, 1995		
	C26	MICHON et al., "Conformational differences between linear α(2-8)-linked homisialooligosaccharides and the epitope of the group B Meningococcal polysaccharide," Biochemistry 26:8399-8405, 1987		
	C27	PAOLETTI et al., J. Biol. Chem. 265:18278-18283, 1990		
	C28	PAOLETTI et al., J. Clin. Invest. 89:203-209, 1992		
	C29	PON et al., J. Exp. Med. 185:1929-1938, 1997		
	C30	POOLMAN, "Development of a Meningococcal vaccine," Infectious Agents and Disease 4:13-28, 1995		
	C31	PORRO et al., Medicine Tropicales 43:129-132, 1983		
	C32	ROY et al., Glycoconjugate J. 7:3-12, 1990		
	C33	SATO et al., J. Biol. Chem. 270:18923-18928, 1995		

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